

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/431,996	BALACHANDRAN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Sam K. Ahn	2637	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment, received on 10/15/04.
2. ☒ The allowed claim(s) is/are 4,6,7,10-12,15,16,18-31,33-40,42 and 44-49.
3. ☒ The drawings filed on 10/15/04 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|   | 9. <input type="checkbox"/> Other _____.   |

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Carmen Patti, Reg. No. 26,784 on 01/12/05.

The application has been amended as follows:

- a. In claim 4, line 3, "which may be" has been changed to "which is".
- b. In claim 6, line 9, "which may be" has been changed to "which is".
- c. In claim 6, line 13, "by extended" has been changed to "by an extended".
- d. In claim 10, line 1, "communications systems" has been changed to "communication system".
- e. In claim 11, line 1, "communications" has been changed to "communication".
- f. In claim 12, line 9, "the receiver" has been changed to "a receiver".
- g. In claim 15, line 2, "performing comprises the step of" has been deleted.
- h. In claim 23, lines 16-17, "of the transmission unit by extended" has been changed to "of one of the transmission units by an extended".
- i. In claim 24, line 1, "an integer" has been changed to "the integer".
- j. In claim 25, lines 2 and 4, "a downlink" has been changed to "the downlink".
- k. In claims 27-29, lines 1, respectively, "a header" has been changed to "the header".

Art Unit: 2637

- l. In claim 28, line 3, "of transmission" has been changed to "of the transmission".
- m. In claim 29, line 1, "claim 28 wherein" has been changed to "claim 25 wherein".
- n. In claim 34, lines 1-2, "the step of performing comprises" has been deleted.
- o. In claim 34, line 2, "with a 1/3 code rate" has been changed to "using a convolutional code rate of 1/3".
- p. In claim 36, line 2, "step of" has been changed to "step of:".
- q. In claim 42, line 14, "which may be" has been changed to "which is".
- r. In claim 42, line 16, "comprises the step of" has been changed to "comprises the steps of".
- s. In claim 42, line 19, "with extended" has been changed to "with an extended".
- t. In claim 45, line 1, "The apparatus" has been changed to "The wireless communication system".
- u. In claim 46, line 2, "a retransmission" has been changed to "the retransmission".
- v. In claim 46, line 4, "unit;" has been changed to "units;".
- w. In claim 46, line 5, "adding extended" has been changed to "adding the extended".
- x. In claim 46, line 6, "unit." has been changed to "units.".
- y. In claim 47, line 2, "with extended" has been changed to "with the extended".
- z. In claims 48 and 49, lines 1, respectively, "The apparatus" has been changed to "The wireless communication system".

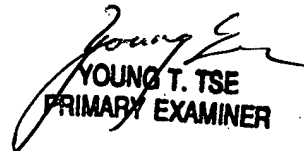
Art Unit: 2637

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Ahn whose telephone number is (571) 272-3044. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sam K. Ahn  
1/13/05

  
YOUNG T. TSE  
PRIMARY EXAMINER